

## Table ENG-2. - Construction Materials

Powhatan County, Virginia

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation.

Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B:							
Abell	75	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Depth to saturated zone	0.98
		Too acid	0.54	Depth to saturated zone	0.98	Too acid	0.98
				Shrink-swell	>0.99		
Chewacla	3	Not Rated		Not Rated		Not Rated	
Partlow	3	Not Rated		Not Rated		Not Rated	
2B:							
Altavista	80	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Depth to saturated zone	0.53
		Too acid	0.21	Depth to saturated zone	0.53	Too acid	0.76
3B:							
Appling	75	Poor		Good		Poor	
		Too clayey	0.00			Too Clayey	0.00
		Low content of organic matter	0.13			Too acid	0.88
		Too acid	0.50				
Partlow	3	Not Rated		Not Rated		Not Rated	
3C:							
Appling	85	Poor		Good		Poor	
		Too clayey	0.00			Too Clayey	0.00
		Low content of organic matter	0.13			Slope	0.63
		Too acid	0.50			Too acid	0.88
Chewacla	3	Not Rated		Not Rated		Not Rated	
Partlow	3	Not Rated		Not Rated		Not Rated	
4:							
Augusta	85	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength	0.00	Depth to saturated zone	0.14
		Too acid	0.54	Depth to saturated zone	0.14	Too acid	0.98
		Water erosion	0.90				
5B:							

**Table ENG-2. - Construction Materials - Continued**

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
5B:							
Buncombe	85	Poor		Good		Poor	
		Wind erosion	0.00			Too sandy	0.00
		Too sandy	0.00				
		Low content of organic matter	0.13				
6B2:							
Cecil	90	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.02			Too acid	0.88
		Too acid	0.32				
6C2:							
Cecil	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.02			Slope	0.63
		Too acid	0.32			Too acid	0.88
Chewacla	3	Not Rated		Not Rated		Not Rated	
Partlow	3	Not Rated		Not Rated		Not Rated	
7:							
Chenneby	75	Fair		Poor		Fair	
		Low content of organic matter	0.50	Low strength	0.00	Depth to saturated zone	0.29
		Too acid	0.54	Depth to saturated zone	0.29	Too Clayey	0.64
		Too clayey	0.98			Too acid	0.98
Forestdale	3	Not Rated		Not Rated		Not Rated	
Ponded soils	3	Not Rated		Not Rated		Not Rated	
8:							
Chewacla	80	Fair		Poor		Poor	
		Too acid	0.68	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Water erosion	0.99				
Ponded soils	5	Not Rated		Not Rated		Not Rated	
Forestdale	4	Not Rated		Not Rated		Not Rated	
9B:							
Creedmoor	90	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Low content of organic matter	0.13	Shrink-swell	0.17	Too acid	0.60

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
9B: Partlow	3	Not Rated		Not Rated		Not Rated	
10A: Dogue	85	Poor Too clayey Low content of organic matter Too acid	0.00 0.13 0.50	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.76 0.87	Poor Too Clayey Too acid Depth to saturated zone	0.00 0.60 0.76
10B: Dogue	80	Poor Too clayey Low content of organic matter Too acid	0.00 0.13 0.50	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.76 0.87	Poor Too Clayey Too acid Depth to saturated zone	0.00 0.60 0.76
10C: Dogue	90	Poor Too clayey Low content of organic matter Too acid	0.00 0.13 0.50	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.76 0.87	Poor Too Clayey Too acid Slope	0.00 0.60 0.63
11B: Enon	85	Poor Too clayey Low content of organic matter Too acid	0.00 0.13 0.84	Poor Low strength Shrink-swell	0.00 0.13	Poor Too Clayey	0.00
11C: Enon	85	Poor Too clayey Low content of organic matter Too acid	0.00 0.13 0.84	Poor Low strength Shrink-swell	0.00 0.13	Poor Too Clayey Slope	0.00 0.63
12: Forestdale	80	Poor Too clayey Too acid Water erosion	0.00 0.54 0.99	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.04 0.15	Poor Too Clayey Depth to saturated zone Too acid	0.00 0.04 0.98
Ponded soils	5	Not Rated		Not Rated		Not Rated	

13B:

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Map Symbol and Soil Name	Pct of Map Unit	Potential Source of Reclamation Material		Potential Source of Roadfill		Potential Source of Topsoil	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
13B:							
Helena	50	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Shrink-swell	0.13	Depth to saturated	0.14
		Low content of organic matter	0.13	Depth to saturated zone	0.14	Too acid	0.60
Enon	25	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.13		
		Too acid	0.84				
14B:							
Kempsville	80	Fair		Good		Poor	
		Low content of organic matter	0.13			Rock fragments	0.00
		Too acid	0.32			Too acid	0.88
		Droughty	0.99				
15B:							
Mayodan	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Too acid	0.88
		Too acid	0.32				
15C:							
Mayodan	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Slope	0.63
		Too acid	0.32			Too acid	0.88
Partlow	3	Not Rated		Not Rated		Not Rated	
16C:							
Pacolet	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13			Slope	0.63
		Too acid	0.54			Too acid	0.98
Partlow	3	Not Rated		Not Rated		Not Rated	
16D:							
Pacolet	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Too Clayey	0.00
		Too acid	0.54			Too acid	0.98

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
17D3:							
Pacolet	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Slope	0.00
		Low content of organic matter	0.13	Slope	0.50	Too Clayey	0.00
		Too acid	0.54			Too acid	0.98
17E3:							
Pacolet	85	Poor		Poor		Poor	
		Too clayey	0.00	Slope	0.00	Slope	0.00
		Low content of organic matter	0.13	Low strength	0.00	Too Clayey	0.00
		Too acid	0.54			Too acid	0.98
18B3:							
Pacolet	90	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13			Too acid	0.98
		Too acid	0.54				
18C3:							
Pacolet	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13			Slope	0.63
		Too acid	0.54			Too acid	0.98
19:							
Partlow	85	Fair		Poor		Poor	
		Low content of organic matter	0.13	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.32			Too acid	0.88
20:							
Pits	100	Not Rated		Not Rated		Not Rated	
21B:							
Poindexter	80	Fair		Poor		Fair	
		Droughty	0.82	Depth to bedrock	0.00	Depth to bedrock	0.99
		Too acid	0.97				
		Depth to bedrock	0.99				
21C:							
Poindexter	80	Fair		Poor		Fair	
		Droughty	0.82	Depth to bedrock	0.00	Slope	0.63
		Too acid	0.97			Depth to bedrock	0.99
		Depth to bedrock	0.99				
21D:							

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
21D:							
Poindexter	80	Fair		Poor		Poor	
		Droughty	0.82	Depth to bedrock	0.00	Slope	0.00
		Too acid	0.97	Slope	0.50	Depth to bedrock	0.99
		Depth to bedrock	0.99				
21E:							
Poindexter	80	Fair		Poor		Poor	
		Droughty	0.82	Depth to bedrock	0.00	Slope	0.00
		Too acid	0.97	Slope	0.00	Depth to bedrock	0.99
		Depth to bedrock	0.99				
22:							
Toccoa	85	Fair		Good		Good	
		Too acid	0.84				
23B:							
Trenholm	80	Poor		Fair		Poor	
		Too clayey	0.00	Depth to saturated zone	0.53	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.94	Depth to saturated zone	0.53
		Too acid	0.50			Too acid	0.98
23C:							
Trenholm	80	Poor		Fair		Poor	
		Too clayey	0.00	Depth to saturated zone	0.53	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.94	Depth to saturated zone	0.53
		Too acid	0.50			Slope	0.63
24A:							
Turbeville	85	Poor		Fair		Poor	
		Too clayey	0.00	Low strength	0.22	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.94	Too acid	0.88
		Too acid	0.50				
24B2:							
Turbeville	80	Poor		Fair		Poor	
		Too clayey	0.00	Low strength	0.22	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.94	Too acid	0.88
		Too acid	0.50				
25C:							
Turbeville	80	Poor		Fair		Poor	
		Too clayey	0.00	Low strength	0.22	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.94	Slope	0.63
		Too acid	0.50			Too acid	0.88

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
25C: Partlow	3	Not Rated		Not Rated		Not Rated	
25D: Turbeville	80	Poor Too clayey Low content of organic matter Too acid	0.00 0.13 0.50	Fair Low strength Slope Shrink-swell	0.22 0.50 0.94	Poor Slope Too Clayey Too acid	0.00 0.00 0.88
26: Udorthents	80	Not Rated		Not Rated		Not Rated	
27B: Wedowee	85	Poor Too clayey Low content of organic matter Too acid	0.00 0.13 0.50	Good		Poor Too Clayey Too acid	0.00 0.60
27C: Wedowee	85	Poor Too clayey Low content of organic matter Too acid	0.00 0.13 0.50	Good		Poor Too Clayey Too acid Slope	0.00 0.60 0.63
Partlow	3	Not Rated		Not Rated		Not Rated	
27D: Wedowee	85	Poor Too clayey Low content of organic matter Too acid	0.00 0.13 0.50	Fair Slope	0.50	Poor Slope Too Clayey Too acid	0.00 0.00 0.60
Partlow	3	Not Rated		Not Rated		Not Rated	
DAM: Dam	100	Not Rated		Not Rated		Not Rated	
W: Water	100	Not Rated		Not Rated		Not Rated	